

TECHNICAL WORKSHOP ON CLEAN ENERGY ACROSS THE BORDER

AGENDA , FEBRUARY 18–19, 2016



In partnership with
SENER
SECRETARÍA DE ENERGÍA



UC Mexico Initiative
Energy Working Group



DAY 1

IMPERIAL PALMS HOTEL & RESORT AT BARBARA WORTH,
2050 COUNTRY CLUB DR. HOLTVILLE, CA 92250, BALLROOM C

8:30 a.m.

Introduction and Welcome Remarks

Emilio Camacho, Esq., Advisor to Chair Robert B. Weisenmiller
on California-Mexico Issues, California Energy Commission

Gerardo Hiriart, SENER representative

Hermann Tribukait-Vasconcelos, U.S. Representative,
Energy Sustainability Fund and Founding Partner of Arminius
Consulting

Alberto Diaz, UC-Mexico Initiative

Timothy E. Kelley

President & CEO, Imperial Valley Economic Development Corporation

Jonathan M. Weisgall

Vice President, Legislative Affairs, Berkshire Hathaway Energy

Carl Zichella

*Director of Western Transmission, Energy Program, Natural
Resources Defense Council*

8:40 a.m.

Opening Comments

Karen Douglas, Commissioner, California Energy Commission

Gerardo Hiriart, SENER representative

10:00 a.m.

Panel 2: Incentives and Financing in a Competitive Clean Energy Market

Moderator: Laurie ten Hope, California Energy Commission

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» *Brian Peck, Deputy Director, International Affairs and Busi-
ness Development, GO-Biz*

Business Models for Renewable Energy Projects and Open
Market (Mexico)

» *Rafael Alcalde-Navarro, Commercial Leader for Latin
America and Western USA at GE Energy*

Mexico's New Electricity Market

» *Marcos Valenzuela Ortiz, Head of Wholesale Electricity
Market, National Center for Energy Control (CENACE)*

DOE GeoVision Study - Accelerating Geothermal Deployment
» *Patrick Dobson, Lawrence Berkeley National Laboratory*

9:15 a.m.

Panel 1: Imperial Valley Renewable Resources and Cross- border Opportunities

Moderator: Alana Sanchez, California Energy Commission

Javier Orduño

Director General of Baja California's Energy Commission

11:30 a.m.

Panel 3: Accelerating the Deployment of Clean and Renewable Generation

Moderator: Aleecia Gutierrez, California Energy Commission

New legal framework for geothermal energy in Mexico

» *Michelle Ramírez Bueno, Geothermal Director, SENER*

Renewable Energy and the New Solar Homes Partnership Program

» *Suzanne Korosec, California Energy Commission*

Onsite Renewables and Demand Side Management

» *Ed Smeloff, SunPower Corporation*

The Need for Smart Solar Systems

» *Luis Morales, Latin America General Manager, Enphase*

Refocusing Subsidy to Solar Distributed Generation

» *Daniel Chacon Anaya, Latin America Regional Climate Initiative*

» *Vicken Kasarjian, Energy Department Manager, Imperial Irrigation District*

12:30 p.m.

Lunch Break

Luncheon Keynote: Rodolfo Lacy, Undersecretary for Environmental Policy and Planning, SEMARNAT. US-Mexico Bilateral Clean Energy and Climate Policy Task Force

1:30 p.m.

Panel 4: Geothermal Energy Development across the Border

Moderator: Georgina Izquierdo, President of Mexican Geothermal Association

Geothermal Resources, Exploration, Operation and Abandonment Requirements

» *Wilfred Elders, University of California Riverside*

Flexible Geothermal Power Generation

» *John Muir, Senior Vice President, Business Development, GreenFire*

High Temperature Borehole Seismic Surveys

» *Björn N. P. Paulsson, Paulsson, Inc.*

Surface Deformation Baseline and Implications to Geothermal Development and Mitigation in Imperial Valley

» *Mariana Eneva, Imageair*

Industry Experience - Geothermal Power Operation Near the Border

» *Charlene Wardlow, Director, Business Development, Ormat Nevada Inc.*

New Business Models for Geothermal Energy in the Federal Electricity Commission (CFE)

» *Magaly Flores, CFE*

3:00 p.m.

Afternoon Break

3:15 p.m.

Panel 5: Cross Border Challenges and Opportunities for Collaboration

Moderator: Hermann Tribukait-Vasconcelos, FSE Representative

Water-Energy Nexus: Less Water-dependent Electricity Generation

» *Graham Beatty, Director of Finance and Project Management at Poseidon Water*

» *Francisco Muñiz, Subdirector de la CONAGUA*

Wind Energy

» *Dra. Vanesa Magar, Department of Physical Oceanography, Center for Scientific Research and Higher Education of Ensenada (CICESE)*

Air Quality Considerations

» *Karen Magliano, Division Chief, Air Quality Planning and Science Division, California Air Resources Board*

Managing Grid Resources

» *Guillermo Bautista Alderete, Ph.D., Manager, Market Validation and Quality Analysis, California ISO*

Models for Energy Research and Deployment Collaboration

» *Blas Perez Henriquez, Professor, Stanford University*

4:45 p.m.

Open Discussion, Day 1 Conclusions and Next Steps

Comments from Participants (Hermann Tribukait-Vasconcelos)

Concluding Remarks and Key Takeaways (Gerardo Hiriart)

Concluding Remarks and Next Steps (Emilio Camacho)

5:30 p.m.

Day 1 Workshop Concludes

Reception on the patio

6:30 p.m.

Dinner, Imperial Room

Ben Hueso, California Senator, Representing the 40th District

Eduardo Garcia, Representing the 56th Assembly District

DAY 2

TOUR AND DISCUSSION ON RENEWABLE ENERGY IN THE SALTON SEA AND IMPERIAL VALLEY

10:00 a.m.

Bus Pick-up at Imperial Palms Resort at Barbara Worth

Country Club

Holtville, CA

10:00 a.m.–10:25 a.m.

Travel to Calexico East Port of Entry

(14 miles to Ormat)

10:25 a.m.–11:00 a.m.

Ormat Geothermal Plant

(11 miles to Tenska South)

11:00 a.m.–11:15 a.m.

**Tenska South, window tour of solar farms next to US/
Mexico Border**

(50 miles to Ocotillo Wind)

11:15 a.m.–12:05 p.m.

Ocotillo Wind, Wind Tour

(34 miles to IID, 40 minutes)

12:05 p.m.–12:40 p.m.

IID Battery Storage Project

Project will be under construction

12:40 p.m. - 1:05 p.m.

Travel to Brawley (18 mi)

1:05 p.m.–2:05 p.m.

**Lunch and tour at the SDSU, Brawley Campus, Center for
Sustainable Energy**

2:05 p.m.–2:25 p.m.

Travel to Salton Sea and Geothermal Resource Area (15 mi)

2:25 p.m.–3:25 p.m.

Stop at Energy Source geothermal plant

3:25 p.m.–3:50 p.m.

Travel to Barbara Worth Country Club (35 mi)

Notes: During tour route participants will also be able to see All American Canal which has small hydro, farms and fields of the Imperial Valley, transmission line projects, southern portion of Salton Sea, mud pots and 5–6 geothermal plants.